## Attorney Docket No. TSEN.P001

## In the Claims

The claims as they currently stand are as follows.

- 1 1. (Original) A communications system, comprising:
- a plurality of mobile devices that each include a network subsystem and a
- 3 positioning subsystem, the network subsystem automatically assembling a wireless
- 4 network among the mobile devices for information transfer and automatically assigning
- 5 at least one unique identification number to each mobile device, the positioning
- 6 subsystem automatically generating position information of each mobile device; and
- 7 at least one control system coupled for information transfer with the plurality of
- 8 mobile devices, the control system tracking and mapping individual positions of each
- 9 mobile device using the position information and identifying each mobile device on the
- 10 map using the identification number.
- 1 2. (Original) The system of claim 1, wherein communications among the mobile
- 2 devices and the control system occur using at least one of High Frequency (HF)
- 3 communications, Very High Frequency (VHF) communications, Ultra High Frequency
- 4 (UHF)/microwave communications, cellular communications, satellite
- 5 communications, and Public Switched Telephone Network (PSTN) communications.
- 1 3. (Original) The system of claim 1, wherein the positioning subsystem includes
- 2 at least one of a Global Positioning System (GPS), a Radio Frequency
- 3 Identification/Direction Finding (RFID/DF) system, an infrared (IR) system, an
- 4 acoustic system, a triangulation system, and a signaling system.
- 1 4. (Original) The system of claim 1, wherein the information transfer includes
- 2 voice information and data.
- 1 5. (Original) The system of claim 1, wherein the identification number is a
- 2 media access control (MAC) address, wherein the MAC address is associated with

- 3 routing packets having modified priorities, wherein the routing packets are high quality
- 4 packets that provide reliable communication between the plurality of mobile devices
- 5 and the control system.
- 1 6. (Original) The system of claim 1, wherein the control system further
- 2 comprises a graphical user interface (GUI) that displays the individual positions of each
- 3 mobile device on a three-dimensional map.
- 7. (Original) The system of claim 1, wherein the identification number is a
- 2 media access control (MAC) address, wherein location-based multicast group Internet
- 3 Protocol (IP) addressing is used to map the individual positions of each mobile device
- 4 within an incident scene.
- 1 8. (Original) A portable communication device, comprising:
- 2 a network system that automatically assembles a wireless network among other
- 3 portable communication devices and control devices in an area and automatically
- 4 assigns a unique identification number to each portable communication device;
- 5 a communication system that receives and transmits voice and data
- 6 communications over the wireless network using at least one of High Frequency (HF)
- 7 communications, Very High Frequency (VHF) communications, Ultra High Frequency
- 8 (UHF)/microwave communications, cellular communications, satellite
- 9 communications, and Public Switched Telephone Network (PSTN) communications;
- 10 and
- a positioning system that includes Global Positioning System (GPS) components
- and at least one location sensor, the positioning system automatically determining a
- position of the device periodically and automatically transferring the position to at least
- one of the control devices via the wireless network.
  - 9. (Original) A method for automatically tracking and communicating among
- 2 mobile devices, comprising:

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3	automatically assembling a wireless network among a plurality of mobile devices							
4	and control systems in an area, wherein assembling includes adding mobile devices and							
5	control systems to the wireless network as they arrive in the area and removing mobile							
6	devices and control systems from the wireless network as they depart the area;							
7	receiving voice and data communications from each of the mobile devices of the							
8	wireless network, wherein the data communications include position and identification							
9	information of each mobile device of the wireless network;							
10	tracking a position and status of a mobile device using the position and							
11	identification information; and							
12	generating a map of an engagement and displaying individual positions, tracks,							
13	and identifications of each mobile device of the wireless network using the position and							
14	identification information.							
1	10. (Original) The method of claim 9, further comprising:							
2	comparing information of the voice and data communications with historical							
3	scenario and response information;							
4	generating predictions of engagement progress using results of the comparison;							
5	displaying the predictions on the map; and							
6	updating the historical scenario and response information to include at least one of							
7	the information of the voice and data communications and the generated predictions.							
1	11. (Original) The method of claim 9, further comprising:							
2	comparing information of the voice and data communications with historical							
3	scenario and response information;							
4	generating recommended courses of action using results of the comparison;							
5	displaying the recommended courses of action on the map; and							
6	updating the historical scenario and response information to include at least one of							
7	the information of the voice and data communications and the generated recommended							
8	courses of action.							

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1 11	2. (Orig	ginal) The	method o	of claim 9	, wherein	tracking	a position	and	status
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- 2 further comprises:
- 3 generating a historical position trace for each first responder; and
- displaying the position trace on the map.
- 1 13. (Original) The method of claim 9, further comprising receiving sensor data
- 2 from at least one sensor of at least one mobile device.
- 14. (Original) The method of claim 13, further comprising:
- 2 comparing the sensor data with historical scenario and response information;
- 3 generating predictions of engagement progress using results of the comparison;
- displaying the predictions on the map; and
- 5 updating the historical scenario and response information to include at least one of
- 6 the sensor data and the generated predictions.
- 1 15. (Original) The method of claim 14, further comprising generating
- 2 recommended courses of action using at least one of the results of the comparison and
- 3 the predictions.